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Library of Congress Catalog Card Number: 89-39099
 ISBN: 0-8155-1218-X
 Printed in the United States

Published in the United States of America by
 Noyes Publications
 Mill Road, Park Ridge, New Jersey 07656

10 9 8 7 6 5 4 3 2 1

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Library of Congress Cataloging-in-Publication Data

Flick, Ernest W.
 Cosmetic and toiletry formulations / by Ernest W. Flick. - 2nd
 ed.

p. cm.
 ISBN 0-8155-1218-X
 1. Cosmetics. 2. Toilet preparations. I. Title.
 TP883.F55 1989
 668'.55-dc20

89-39099
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CLEAR LIQUID CONDITIONING SHAMPOO

INGREDIENTS:

	% W/W
Water	55.00
STANDAPOL ES-1 (Sodium Laureth Sulfate)	30.00
VELVETEX BK-35 (Cocamidopropyl Betaine)	6.50
STANDAMOX CAW (Cocamidopropylamine Oxide)	3.00
STANDAMID SD (Cocamide DEA)	1.50
CETIOL HE (PEG-7 Glyceryl Cocoate)	2.00
POLYQUART M (PEG-15 Tallow Polyamine)	2.00
Fragrance, Dyes and Preservatives	q.s.

Procedure:

Charge kettle with water. Add remaining ingredients, one at a time, in the order given, under agitation. Continue stirring and adjust pH to 6.5 + 0.5 with 50% citric acid.

Note: Small additions of sodium chloride can be used to adjust viscosity.

Comments:

This medium foaming shampoo provides a creamy, lather type foam with excellent hair conditioning properties.

Formula H-4832

PEARLESCENT CONDITIONING SHAMPOO

INGREDIENTS:

	% W/W
Water	q.s.
STANDAPOL ES-2 (Sodium Laureth Sulfate)	56.00
STANDAMOX CAW (Cocamidopropylamine Oxide)	3.00
CETIOL HE (PEG-7 Glyceryl Cocoate)	1.50
COSMEDIA GUAR C-261 (Guar Hydroxypropyl Trimonium Chloride)	1.00
STANDAPOL PEARL CONC. 7130	4.00
Fragrance	q.s.
Preservative	q.s.
Citric Acid (50% soln)	q.s. to 6.0-6.5

Procedure:

Charge kettle with water. Pre-wet Guar Gum in CETIOL HE and add to water under agitation. When completely hydrated, add remaining ingredients individually in the order listed. Continue mixing until homogeneous. Adjust pH to 6.0-6.5 with a 50% solution of citric acid. Fill off.

Comments:

This is a truly high performance shampoo in terms of both foaming and conditioning. The combination of CETIOL HE and GUAR C-261 provides highly beneficial effects on even difficult to manage hair.

Formula H-4863

SOURCE: Monkel Corp.: Personal Care Products Formulary: Formulas

INGREDIENTS:

Water
DERIPHAT 151-C (Laurami
STANDAPOL T (TEA Lauryl
STANDAMID LD (Lauramide
Fragrance
Sodium Chloride
Kathon CG

Procedure:

Add ingredients in the order given, pre-mixing the fragrance and adding. Adjust to pH 6.

pH:

Viscosity at 25C:

Comments:

The addition of DERIPHAT provides an elegant feel to the shampoo and a richer, smoother foam.

Formula H-4866

INGREDIENTS:

Water
Sodium Chloride
Lantox 55 (PEG-75 Lano.
STANDAPOL T (TEA Lauryl
STANDAMID SD (Cocamide
STANDAPOL ES-2 (Sodium
Fragrance, Dyes and Pres.

Procedure:

The order of addition is important. Add ingredients singularly under adequate mixing with 50% citric acid solution until homogeneous.

Comment:

This high foaming shampoo is slightly dry hair.

Formula H-4830

SOURCE: Henkel Corp.:
Suggested Form

INEXPENSIVE SHAMPOO

INGREDIENTS:

	g/w/w
Water	58.70-67.70
Ammonium Chloride	1.00- 2.00
Lantox 55 (PEG-75 Lanolin)	0.30
Standapol EA-K (Ammonium Myreth Sulfate (and) Cocamide DEA)	30.00
Dyes, Fragrance and Preservatives	q.s.

Procedure:

Place water in a container. Add remaining ingredients one at a time in the order given under agitation. Adjust pH to 5.5-6.5 with 50% citric acid. Continue stirring until product is homogeneous. Fill off.

Comments:

This easy to prepare shampoo contains STANDAPOL EA-K a high active (60%) blend of Ammonium Myreth Sulfate and Cocamide DEA. Formulation H-4842

PEARLESCENT SHAMPOO FOR PERMED HAIR

INGREDIENTS:

	g/w/w
Water	q.s. to 100.0
STANDAPOL T (TEA-Lauryl Sulfate)	30.0
STANDAPOL ES-1 (Sodium Laureth Sulfate)	10.0
VELVETEX BA-35 (Cocamidopropyl Betaine)	4.0
STANDAMOX CAW (Cocamidopropylamine Oxide)	3.0
STANDAMID LDO (Lauramide DEA)	1.5
EUPERLAN PK-810 (Glycol Distearate (and) Sodium Laureth Sulfate (and) Cocamide MEA (and) Laureth-9)	4.0
Sodium Chloride	1.5
Fragrance	q.s.
Dyes and Preservative	q.s.

Procedure:

Charge kettle with water. Add remaining ingredients, one at a time, in the order given, under agitation. Continue stirring and adjust pH to 6.0-6.5 with 50% citric acid. Continue stirring until product is homogeneous. Fill off.

Comments:

The combination of amine oxide and betaine provides the "right" kind of conditioning for permed hair. The EUPERLAN PK-810 is an easy-to-use pearllizing agent. Formulation H-4847

SOURCE: Henkel Corp.: Personal Care Products Formulary:
Suggested Formulations

INGREDIENTS:

A.	Deionized water
B.	Triethanolamine
C.	Methocel 40-101
D.	Deionized water
E.	Citric Acid
F.	Dowicil 200 (Dow) Antim.
G.	DL Panthenol
H.	Hydrolyzed Animal Prote
I.	ALOE VERA 200 Powder
J.	Color
K.	Sodium Laureth Sulfate
L.	Cocamide DEA
M.	Perfume oil

Procedure:

Weigh A ingredients
mats in A and mix 15 mi
mix 10 mins. Add color
and mix 15 mins. Combin
solubilize the perfume
10 mins.

INGREDIENTS:

ALOE VERAGEL Liquid 1:1
Deionized Water
Polyquaternium-7 (Merqu)
Sodium Lauryl Sulfate
Ammonium Laureth Sulfat
Sodium Laureth Sulfate
Lauramide DEA
Sodium Chloride
Germaben II

Procedure:

Add all ingredients

SOURCE: Dr. Madis Labo

00

* By Weight

a 14-16 AOS	58.75
	20.00
	15.00
	4.00
juar C-17)	1.00
	1.00
	0.25
	q.s.
	q.s.

cocamidopropyl betaine
a small portion of
Heat to 50C, and
the add preservative,
-6.

ic Formulary: Suggested

O(AOS)

Parts by Weight

nate)	30.0
	4.0
	4.0
	2.0
	25.0
	q.s.
	q.s.
	q.s. to 100

VITCAMIDE 61, Deriphat

everything is dissolved,
water and cool.
age.

meixcs and Toilettries:

CONDITIONING SHAMPOO(2889-047-1)

RAW MATERIALS

A.	
Sodium Laureth-1 Sulfate	
EMTHOX 2730 PEG-75 Cocoa Butter	
EMID 6515 Cocamide DEA	
EMERESSENCE 1160 ROSE ETHER Phenoxyethanol	
Deionized water	
B.	
EMERY 5430 Cocamidopropyl Betaine	
C.	
Citric acid	

Viscosity = 90,000 cP

By Weight

	35.7
	2.5
	1.0
	1.0
	42.7
	17.1
	q.s.

CONDITIONING SHAMPOO (2889-047-2)

RAW MATERIALS

A.	
Sodium Laureth-2 Sulfate	
EMTHOX 2730 PEG-75 Cocoa Butter	
EMID 6515 Cocamide DEA	
EMERESSENCE 1160 ROSE ETHER Phenoxyethanol	
Deionized Water	
B.	
EMERY 5430 Cocamidopropyl Betaine	
C.	
Citric acid	

Viscosity = 51,000 cP

By Weight

	35.7
	2.5
	1.0
	1.0
	42.7
	17.1
	q.s.

EMTHOX softens and lubricates the hair for ease in combing, without detracting from the aesthetics or the cleansing performance of the shampoo. These formulations yield crystal clear products that differ mainly in viscosity. Each exhibits good cleaning and foaming properties.

Procedure:

Combine (A) and heat to 60C with stirring. Heat (B) to 60C and slowly add it to (A) with agitation. The product should gel. Adjust the pH with citric acid and the viscosity with sodium chloride.

SOURCE: Quantum Chemical Corp.: EMTHOX 2730 PEG-75 Cocoa Butter
For Ethnic Products: Formulation 2889-047-1,2

SOURCE	RAW MATERIALS	CHEMICAL DESCRIPTION	SOURCE
Rocbe	Standamox CAW	Cocamidopropylamine Oxide	Henkel
3) Van Dyk	Standamox OI	Oleamine Oxide	Henkel
oxide Van Dyk	Standapol Conc. 1002	Cetearyl Alcohol (and) PEG-40 Hydrogenated Castor Oil (and) Stearalkonium Chloride	Henkel
3e Van Dyk	Standamul G	Octyldodecanol	Henkel
e Van Dyk	Standamul HE	PEG-7 Glyceryl Cocoate	Henkel
3) Van Dyk	Standamul 1414-E	Myreth-3 Myristate	Henkel
d) Van Dyk	Standapol A	Ammonium Lauryl Sulfate	Henkel
Am. Cyan.	Standapol AB-45	Coco-Betaine	Henkel
Robeco	Standapol AP	Sodium Laureth Sulfate (and) Cocamide DEA (and) Cocamido-propyl Betaine	Henkel
Tri-K	Standapol Conc. 7023	Cocamide DEA (and) DEA-Myreth Sulfate	Henkel
ethyl- GE Silicone	Standapol EA-K	Ammonium Myreth Sulfate (and) Cocamide DEA	Henkel
yl- GE Silicone	Standapol EA-40	Ammonium Myreth Sulfate	Henkel
Henkel	Standapol ES-1	Sodium Laureth Sulfate	Henkel
Henkel	Standapol ES-2	Sodium Laureth Sulfate	Henkel
Henkel	Standapol ES-3	Sodium Laureth Sulfate	Henkel
Henkel	Standapol ES-40	Sodium Myreth Sulfate	Henkel
Henkel	Standapol OLB-50	Alkyl Ether Sulfate	Van Dyk
Henkel	Standapol 7130	Glycol Distearate (and) Sodium Laureth Sulfate (and) Propylene Glycol (and) Cocamide MEA (and) Laureth-9	Henkel
Henkel	Standapol S	Fatty Alcohol Sulfate...Alk-anolamide Blend	Henkel